

## CLAIMS

1. A subnet connection switching communication system made to switch connections of a plurality of terminals from one gate constituting a subnet to the other gate constituting a subnet different from said subnet for making communications, said plurality of terminals being grouped into a plurality of groups and the connections are switched while times are staggered said group by said group.

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2. The subnet connection switching communication system according to claim 1, wherein the grouping is conducted by a VLAN, and an instruction for the connection switching is sent for said each group through the use of a function of said VLAN.

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3. The subnet connection switching communication system according to claim 1 or 2, wherein an overlap range is provided where a communicable range connectable to the one gate and a communicable range connectable to the other gate overlap with each other, and all the connections of said plurality of terminals are switched within a time period in which said plurality of terminals exist in said overlap range.

4. The subnet connection switching communication system according to any one of claims 1 to 3, wherein said plurality of

terminals are located in a mobile body to move with said mobile body.

5. The subnet connection switching communication system  
5 according to claim 4, wherein said mobile body includes  
external communication means for making communication with  
the one gate or the other gate and internal communication  
means for making communications with said plurality of  
terminals,

10 said plurality of terminals making the connections through  
said external communication means and said internal  
communication means with the one gate or the other gate.

6. The subnet connection switching communication system  
15 according to claim 4 or 5, wherein said mobile body is a train  
including a plurality of cars, and a plurality of terminals located  
in at least one of said plurality of cars are set as one of said  
groups, and the grouping is made with said each car.